



## State of North Carolina Cooperating Technical State Mapping Activity Statement

### Agreement B—Information Management System

In accordance with the Cooperating Technical State (CTS) Memorandum of Agreement dated September 15, 2000, between the State of North Carolina and the Federal Management Agency (FEMA), Agreement B is as follows:

- 1. Objective and Scope:** The objective of this Mapping Activity is to design, develop, and implement a dynamic, state-of-the-art Information Technology (IT) infrastructure to maintain, archive, and disseminate flood maps and associated data for the North Carolina Flood Mapping Program. This system will also present and distribute the mapping data, associated reports, and other Framework data layers to the public via the Internet. The data to be presented and distributed will include the Digital Elevation Models, engineering analyses and models, base maps, Digital Flood Insurance Rate Maps (DFIRMs), study reports, and other related documents. The system will be a Web-based interactive system whose data can be integrated into the Statewide Technical Architecture, North Carolina Corporate Geographic Database, and, to the extent practicable, existing and planned FEMA IT systems.

The development of this system will entail the following tasks:

- Conducting a requirements analysis
- Developing a preliminary system and database design and work plan
- Completing a final system design
- Developing the system
- Testing the system
- Implementing the system

The requirements analysis will entail conducting interviews with all signatories to this Agreement, as well as other end user groups, to derive the functional, qualitative, and technical requirements for the system.

- 2. Period of Performance:** This Mapping Activity will begin December 1, 2000, and end by September 30, 2001. This Mapping Activity may be terminated at the option of FEMA or the State of North Carolina in accordance with the provisions of the September 15, 2000, and August 2000 CTS Memoranda of Agreement.
- 3. Funding/Cost-Sharing:** Funding will be in accordance with CTS Funding Agreement No. 1.
- 4. Contractors:** Contractors may be used by the State of North Carolina to assist in the completion of the activity associated with this agreement. Procurement of subcontractors using Federal funds provided as part of this Mapping Activity will comply with the requirements of 44 CFR 13.36.

## **5. Technical Assistance and Resources:**

All Federal agency signatories to the September 15, 2000, Memorandum of Agreement will be contacted to solicit technical expertise and assistance to the State of North Carolina regarding the most efficient and/or innovative approaches necessary to collect, manage, and disseminate program data and maps for Web-based server dissemination. Where possible, input will be solicited through surveys and interviews during the requirements analysis and through reviews and comments on the draft and final Requirements Analysis documents.

FEMA will provide the State of North Carolina any new or updated guidelines, standards, and requirements associated with both contract work and programmatic direction.

## **6. Standards:** The following standards and resource documents are relevant to the development and evaluation of the DFIRM dissemination and this Mapping Activity:

- *Digital Flood Insurance Rate Map (DFIRM) Graphic Specifications.*
- Standard DFIRM spatial database product description.
- *Content Standards for Digital Geospatial Metadata* (Federal Geographic Data Committee, 1998).
- *OpenGIS Web Server Specifications* (Open GIS Consortium).
- *Statewide Technical Architecture – Data Architecture* (Chapter 4) (Information Resource Management Commission – March 2000).

## **7. Products:** The State of North Carolina shall make the draft and final Requirements Analysis documents available to the CTS Committee for review and comment. The final product of this Mapping Activity will be implementation of an operational information management system by the State of North Carolina.

## **8. Schedule and Milestones:** The system design will be completed by March 30, 2001. The initial operable system will be implemented by September 30, 2001; some functions will be added later.

## **9. Reporting:** Periodic reporting will be provided to the CTS Committee by the State of North Carolina for review and feedback.

## **10. Points of Contact:** The FEMA Project Manager is Laura Algeo, and the CTS Program Director is John Dorman, or subsequent personnel of comparable experience who are appointed to fulfill these responsibilities.

Each party has caused this Mapping Activity Statement to be executed by its duly authorized representatives.

John K. Dorman

John K. Dorman, Program Director  
North Carolina Office of State Budget, Planning and Management

05/15/01

Date

Laura Algeo

Laura Algeo, Project Manager  
Federal Emergency Management Agency

07/16/01

Date

Doug Bellomo

Doug Bellomo, Project Officer  
Federal Emergency Management Agency

05/11/01

Date